* Write Regular Expression for
  Date - Year - Month
          Year Range would be between   2000 - 9000

Ans:

([0-2] [0-9] | 3 [01]) "-" ([2-3] [0-9] [0-9] [0-9] | 9000) "-"
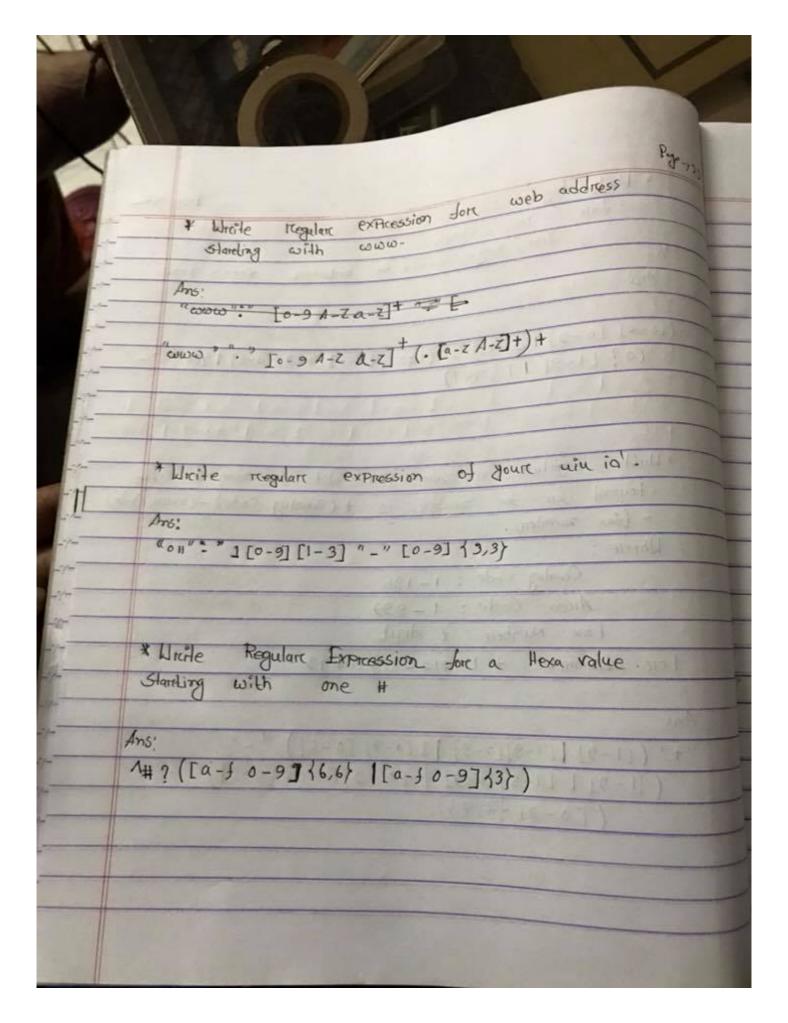 (0? [1-9] | 1 [012])

* Write Regular Expression for valid fax number. The
  format for fax number is + (Country Code) - (area Code)
  - (fax number).

Where :
        Country Code : 1 - 196
        Area Code : 1 - 999
        Fax Number : 7 digit
For Example : + 1 - 212 - 98 76543

Ans:

"+" ([1-9] | [1-9][0-9] | 1 [0-9] [0-6]) "-"
  ([1-9] | [1-9][0-9] | [0-9][0-9] [0-9]) "-"
        ([0-9] {7, 7})

* Write Regular expression for web address
  Starting with www-

Ans:

"www": $[0-9 A-Z a-z]^{+}$ $\rightleftarrows$ E

"www" "." $[0-9 A-Z a-z]^{+} (. [a-z A-Z]^{+})^{+}$

* Write regular expression of youre uiu ia`.

Ans:

"0" : "] $[0-9] [1-3]$ "—" $[0-9] \{3,3\}$

* Write Regular Expression for a Hexa value.
  Starting with one #

Ans:

$\wedge$# ? ($[a-f 0-9] \{6,6\} | [a-f 0-9] \{3\}$)

* Write Regular Expression of the Course Id's of uiu.
   Example: ENG   005 , CSE 123.
             Note the first part Like   ENG, MATH, CSJ,
   CSE , PHY , STAT, ACT, PSY, ECO

Ans:

"ENG" | "MATH" | "CSJ" | "CSE" | "PHY" | "STAT" | "ACT" | "PSY" | "ECO" &
   " \ "   ([0-9] [0-9][0-9])

* Write Regular Expression for Time. Handle Time between
   12 hours   format. Example →   12:45 PM,   1:25 AM

Ans:

(0? [1-9] | 1? [0-2]) " : " (0? [1-9] ↑ [1-5] [0-9]) ("AM" | "PM")

* Write Regular Expression for Time. Handle time for
   24 hours.

Ans:
(0? [1-9] | 1? [0-9] | 2? [0-3]) " : " (0? [1-9] | [1-5] [0-9])